

• GENERAL:

MD 130 (GREENSPRING VALLEY RD.) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

A FULL-TRAFFIC-ACTUATED , EIGHT-PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A SIZE '6' BASE MOUNTED CABINET SHALL BE INSTALLED AT THE INTERSECTION.

III. SPECIAL NOTES:

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA AND
INSTALLED BY THE CONTRACTOR.

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
9000	1 EA	FULL- TRAFFIC- ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE- FOUR CHANNEL AMPLIFIER, CAMERA INTERFACE AND ALL NECESSARY EQUIPMENT HOUSED IN SIZE '6' BASE MOUNTED CABINET.
9571	42 SF	SHEET ALUMINUM:
		MAST ARM MOUNTED SIGNS:
	2 EA	R10-11A "NO TURN ON RED" (24' X 30")
	1 EA	R3-SL "LEFT TURN ONLY" (24' X 30")
	1 EA	D3-2 "Greenspring AVE" (VARIABLE X 16") DUAL FACED
	1 EA	R10-12 "LEFT TURN YIELD ON GREEN" (36' X 42")
		MAST ARM POLE MOUNTED SIGNS:
	2 EA	D3-2 "Greenspring Valley RD" (VARIABLE X 16")
NOTE:	36 SF	GROUND MOUNTED SIGNS:

COST FOR THE RELOCATION OF SIGNS HAS BEEN INCLUDED IN ITEM NO. 8054 (SIGN NUMBER 27 SHALL REQUIRE WOOD SUPPORT HARDWARE)

PROJECT CONTACTS

MS. SUENETTE POPE
ASSISTANT DISTRICT ENGINEER
UTILITIES - 410-321-2841

MR. DERRICK DICKERSON
PROJECT MANAGER - TRAFFIC ENGINEERING
DESIGN DIVISION 410-787-5856

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR:

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1001	2 EA	MAINTENANCE OF TRAFFIC
2002	2 CY	TEST PIT EXCAVATION
5001	107 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS (ANY WIDTH)
5006	79 LF	24" WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKINGS
8001	8 CY	CONCRETE FOUNDATION
8008	2 EA	CONTROL CABLE, 200' VIDEO DETECTOR CAMERA TO CONTROLLER
8018	1 EA	PEDESTAL POLE 10' WITH BREAKAWAY BASE (4 - 1" X 40" ANCHOR BOLTS)
8019	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8024	353 LF	DISCONNECT, PULL-BACK, AND REROUTE PROBE CABLES
8027	34 L.F.	WOOD SIGN SUPPORT 4" X 4"
8028	18 L.F.	WOOD SIGN SUPPORT 4" X 6"
8029	120 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8031	35 L.F.	1" ELECTRICAL CONDUIT GALVANIZED SLEEVE
8036	140 LF	4" SCHEDULE 80 PVC CONDUIT- BORED
8037	15 LF	2" SCHEDULE 80 PVC CONDUIT- TRENCHED
8038	45 LF	3" SCHEDULE 80 PVC CONDUIT- TRENCHED
8039	20 LF	4" SCHEDULE 80 PVC CONDUIT- TRENCHED
8044	1 EA	METERED SERVICE PEDESTAL
8046	21 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG -THHN/THWN (3 WIRES)
8052	3 EA	ELECTRICAL HANDHOLE
8054	36 S.F.	INSTALL GROUND MOUNTED SIGNS
8055	42 SF	INSTALL OVERHEAD SIGNS
8066	1 EA	27' STEEL POLE WITH 70' MAST ARM (4 - 2" X 90" ANCHOR BOLTS)
8073	3 EA	GROUND ROD (3/4" DIA X 10' LENGTH)
8074	3 EA	8" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8075	34 EA	12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION (29 SECTIONS SHALL BE POLYCARBONATE)
8083	80 LF	ELECTRICAL CABLE 5- CONDUCTOR NO. 14 AWG
8084	1050 LF	ELECTRICAL CABLE 7- CONDUCTOR NO. 14 AWG
8089	1 EA	15' LIGHTING ARM ON SIGNAL STRUCTURE
8094	1 EA	INSTALL CONTROLLER AND BASE MOUNTED CABINET

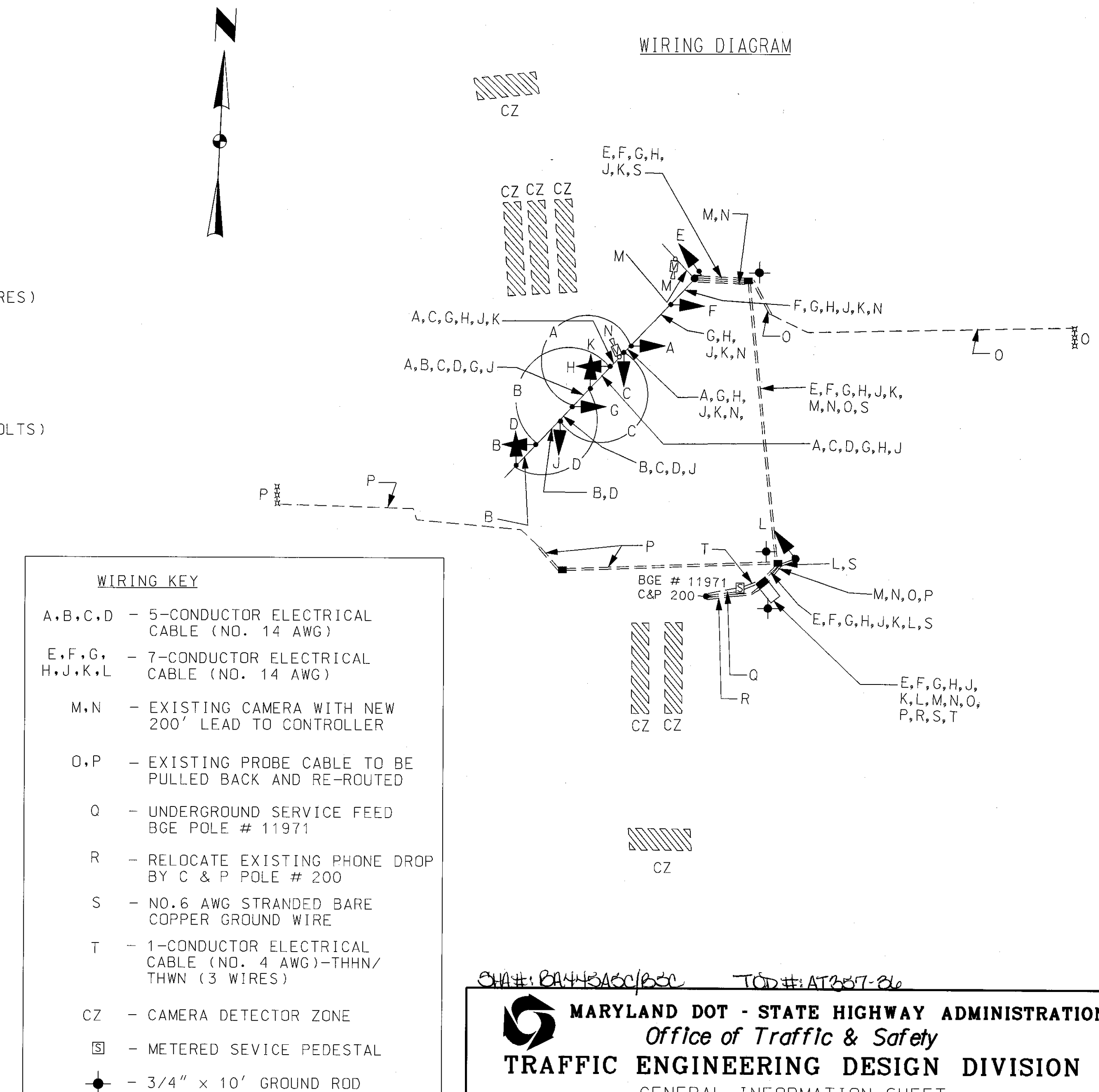
EQUIPMENT LIST "C"

SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE EXISTING CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

EXISTING PHASING


	1	2	3	4	5	6	7	8	9	10	11	
Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	R	
2 & 6 Change	Y	Y	Y	Y	Y	R	R	R	R	R	R	
Phase 4 & 7	R	R	R	R	R	R	R	G		G		
7 Change	R	R	R	R	R	R	R	G		G		
Phase 4 & 8	R	R	R	R	R	G	G	G	G	G	G	
4 & 8 Change	R	R	R	R	R	Y	Y	Y	Y	Y	Y	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

WIRING DIAGRAM



CEI
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

SHA#: BA44BAC0/BSC TOD #: AT357-26

 **MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET

MD 130 (GREENSPRING VALLEY RD.)
 AND GREENSPRING AVENUE

DRAWN BY: EMM	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: EMM, TH	AT3575185	4321 B	
SCALE: NOT TO SCALE	COUNTY: BALTIMORE	T.I.M.S. NO.	
DATE: 07/05/2004	LOC MILE: 03130004.41	G349	